

Datasheet for ABIN6992054
anti-SMURF1 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	SMURF1
Binding Specificity:	AA 180-230, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMURF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	SMURF1 antibody was raised against a 16 amino acid peptide near the amino terminus of human SMURF1. The immunogen is located within amino acids 180 - 230 of SMURF1.
Isotype:	IgG
Specificity:	SMURF1 antibody is human, mouse and rat reactive. At least three isoforms of SMURF1 are known to exist this antibody will recognize all three isoforms. SMURF1 is predicted to not cross-react with SMURF2.
Purification:	SMURF1 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SMURF1
Alternative Name:	SMURF1 (SMURF1 Products)

Target Details

Background:	SMURF1 (SMAD ubiquitin regulatory factor 1) is a negative regulator of TGF-beta signaling (1). SMURF1 and SMURF2 are members of HECT domain E3 ubiquitin ligase which are involved in the enzymatic reactions of the Ub conjugating pathway (1,2). SMURF1 negatively regulates osteoblast activity and response to bone morphogenesis protein (BMP) through controlling MEKK2 degradation (3). SMURF1 has recently been shown to play a role in breast cancer cell migration and invasion through the downregulation of RhoA (4).
Molecular Weight:	Predicted: 80, 83 kDa Observed: 78 kDa
Gene ID:	57154
NCBI Accession:	NP_065162
UniProt:	Q9HCE7
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	SMURF1 body can be used for detection of SMURF1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for Immunohistochemistry starting at 5 µg/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in rat samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SMURF1 antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	SMURF1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.